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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-07-29-78** **Date: 04-07-2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-07-2019
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	02-07-2019
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.95	_
2	Finess by Air permeablity method (m^2/kg,Min)	285.4	225m^2/kg, Min
3	Density (gm/cc)	3.12	_
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	145 minutes	Not less than 30 minutes
6	Final Setting time	240 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1.5mm	Not more than 10 mm

Note:

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Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2019-07-29-78** **Date: 09-07-2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-07-2019
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	02-07-2019
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	27.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2019-07-29-78** **Date: 04-07-2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	01-07-2019
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	01-07-2019

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	244	244	1.6	98.4	90-100
3	20 mm	5432	5676	37.8	62.2	30-70
4	10 mm	4332	10008	66.7	33.3	10-35
5	4.75 mm	4654	14662	97.7	2.3	0-5
6	Pan	338	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2019-07-29-78 Date: 03-07-2019
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-07-2019
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	01-07-2019

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	199	199	4.0	96.0	90-100
3	10 mm	3050	3249	65.0	35.0	25-55
4	4.75 mm	1502	4751	95.0	5.0	0-10
5	Pan	249	5000	100	0	–

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-07-29-78** **Date: 25/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-07-2019
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	25/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	18/07/2019	25/07/2019	150.42 X 151.24 X 149.36	22749	8.655	429.6	18.9	18.9
2	Drain Side Wall Concrete	M20	18/07/2019	25/07/2019	149.93 X 149.15 X 149.60	22362	8.465	419.2	18.7	
3	Drain Side Wall Concrete	M20	18/07/2019	25/07/2019	151.99 X 150.98 X 150.67	22947	8.711	434.8	18.9	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-07-29-78** **Date: 25/07/2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	20-07-2019
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	25/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	18/07/2019	25/07/2019	149.79 X 150.23 X 151.63	22502	8.655	422.6	18.8	18.5
2	Drain Side Wall Concrete	M20	18/07/2019	25/07/2019	149.77 X 149.84 X 149.14	22442	8.465	417.6	18.6	
3	Drain Side Wall Concrete	M20	18/07/2019	25/07/2019	151.87 X 151.37 X 150.40	22989	8.711	419.6	18.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-07-29-78 **Date: 27/07/2019**

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.

Agency : Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.

Customer's Reference : EE(YNK.D)E.PMT-09/W.O/26/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-07-2019

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M20	20/07/2019	27/07/2019	151.16 X 150.49 X 151.86	22749	8.655	427.7	18.8	18.6
2	Cement Concrete Pavement	M20	20/07/2019	27/07/2019	150.40 X 149.47 X 150.89	22480	8.465	417.5	18.6	
3	Cement Concrete Pavement	M20	20/07/2019	27/07/2019	150.58 X 150.11 X 151.63	22603	8.711	413.4	18.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 27/07/2019

Lab ID	:	CP-2019-07-29-78
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	22-07-2019
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	27/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M20	20/07/2019	27/07/2019	151.44 X 151.54 X 149.40	22949	8.655	430.6	18.8	18.4
2	Cement Concrete Pavement	M20	20/07/2019	27/07/2019	151.30 X 151.79 X 151.82	22966	8.465	416.4	18.1	
3	Cement Concrete Pavement	M20	20/07/2019	27/07/2019	151.33 X 151.88 X 149.30	22985	8.711	420.7	18.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2019-07-29-78 Date: 27/07/2019

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.

Agency : Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.

Customer's Reference : EE(YNK.D)E.PMT-09/W.O/26/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 22-07-2019

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M20	20/07/2019	27/07/2019	149.43 X 149.66 X 150.94	22364	8.655	418.6	18.7	18.5
2	Cement Concrete Pavement	M20	20/07/2019	27/07/2019	149.09 X 149.88 X 150.01	22345	8.465	410.0	18.3	
3	Cement Concrete Pavement	M20	20/07/2019	27/07/2019	150.82 X 151.79 X 150.12	22893	8.711	424.7	18.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 29/07/2019

Lab ID	:	CP-2019-07-29-78
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-07-2019
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	29/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M20	22/07/2019	29/07/2019	149.14 X 150.39 X 151.44	22429	8.655	417.9	18.6	18.8
2	Cement Concrete Pavement	M20	22/07/2019	29/07/2019	149.00 X 151.25 X 150.60	22537	8.465	421.7	18.7	
3	Cement Concrete Pavement	M20	22/07/2019	29/07/2019	151.33 X 149.56 X 149.15	22633	8.711	429.5	19.0	

Note:
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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 29/07/2019

Lab ID	:	CP-2019-07-29-78
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-07-2019
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	29/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement	M20	22/07/2019	29/07/2019	149.48 X 151.78 X 151.38	22688	8.655	424.3	18.7	18.7
2	Cement Concrete Pavement	M20	22/07/2019	29/07/2019	150.17 X 151.54 X 150.51	22757	8.465	422.7	18.6	
3	Cement Concrete Pavement	M20	22/07/2019	29/07/2019	150.69 X 150.08 X 151.70	22615	8.711	427.3	18.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 29/07/2019

Lab ID	:	CP-2019-07-29-78
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-07-2019
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	29/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M20	22/07/2019	29/07/2019	151.30 X 149.80 X 151.32	22665	8.655	420.0	18.5	18.3
2	Cement Concrete Pavement	M20	22/07/2019	29/07/2019	150.14 X 151.19 X 150.15	22700	8.465	412.1	18.2	
3	Cement Concrete Pavement	M20	22/07/2019	29/07/2019	152.00 X 149.37 X 150.20	22704	8.711	413.6	18.2	

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Format No: CP/TF/01

TEST RESULTS OF STEEL

Lab ID	:	**CP-2019-07-29-78**
		Date: 06-07-2019
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-07-2019
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	05-07-2019

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.392	510	650	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.618	526	674	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.886	542	666	20.0%	Satisfactory	Satisfactory

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2019-07-29-78** **Date: 12-07-2019**
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-07-2019
Sample Type /Size	:	Precast Cover Slab(100 mm)
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	08/07/2019

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.49	100.46	1.116	4475	808.0	180.6	167.9	209.9
2	Cover Slab-2	75.46	100.54	1.124	4471	82.4	18.4	17.1	21.4
3	Cover Slab-3	75.52	100.53	1.116	4478	81.7	18.2	17.0	21.2

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TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 20/07/2019

Lab ID	:	CP-2019-07-29-78
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-07-2019
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	13/07/2019	20/07/2019	149.92 X 149.50 X 151.00	22413	8.655	419.7	18.7	18.7
2	Drain Bottom Slab Concrete	M20	13/07/2019	20/07/2019	152.00 X 150.11 X 149.04	22815	8.465	425.6	18.7	
3	Drain Bottom Slab Concrete	M20	13/07/2019	20/07/2019	149.25 X 150.04 X 149.08	22394	8.711	418.2	18.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 20/07/2019

Lab ID	:	CP-2019-07-29-78
Customer	:	Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Satellite Town Sub Division, BBMP, Bangalore.
Project Name	:	Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.
Agency	:	Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.
Customer's Reference	:	EE(YNK.D)E.PMT-09/W.O/26/2019-20
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	15-07-2019
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	20/07/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	13/07/2019	20/07/2019	151.76 X 149.94 X 149.39	22754	8.655	418.8	18.4	18.6
2	Drain Bottom Slab Concrete	M20	13/07/2019	20/07/2019	149.08 X 151.10 X 149.39	22525	8.465	423.1	18.8	
3	Drain Bottom Slab Concrete	M20	13/07/2019	20/07/2019	149.46 X 151.22 X 149.82	22601	8.711	419.3	18.6	

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Format No: CP/TF/01

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2019-07-29-78

Date: 03-07-2019

Customer : Assistant Executive Engineer, Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Address : Yelahanka Satellite Town Sub Division, BBMP, Bangalore.

Project Name : Construction of CC Roads at Chikkabommasandra in Ward No.04, Yelahanka Division.

Agency : Sri.Sambashiva Reddy C, No.14, 6th C Cross 2nd Main, Gopalappa Extension, Manorayana Palya, Bangalore.

Customer's Reference : EE(YNK.D)E.PMT-09/W.O/26/2019-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 01-07-2019

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 01-07-2019

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	28	28	2.8	97.2	90-100	90-100	90-100	95-100
3	2.36 mm	48	76	7.6	92.4	60-95	75-100	85-100	95-100
4	1.18 mm	227	303	30.3	69.7	30-70	55-90	75-100	90-100
5	600 micron	200	503	50.3	49.7	15-34	35-59	60-79	80-100
6	300 micron	202	705	70.5	29.5	5-20	8-30	12-40	15-50
7	150 micron	207	912	91.2	8.8	0-10	0-10	0-10	0-15
8	Pan	88	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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